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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/657,101	09/09/2003	Yoshitaka Kawanishi	Q77347	9852
23373	7590	03/21/2005	EXAMINER	
SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037			PATEL, VIP	
			ART UNIT	PAPER NUMBER
			2879	

DATE MAILED: 03/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/657,101	<b>Applicant(s)</b> KAWANISHI, YOSHITAKA	
	<b>Examiner</b> Vip Patel	<b>Art Unit</b> 2879	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>0903</u> . | 6) <input type="checkbox"/> Other: ____.  |

### **Specification**

The specification is objected for following reasons.

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed (see MPEP 606.01).

A new title such as ---PLASMA DISPLAY PANEL WITH CURVED PARTISAN WALL ---- is suggested.

### **Claim Rejections - 35 USC § 112**

Claims 1-20 are rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, applicant claims "a rear substrate in a plasma display panel .....comprising...insulating substrate, data electrodes, partisan walls" etc. A "rear substrate" can not and does not comprise data electrode, partisan walls etc. From reading the specification and viewing drawings, it seems that it is the plasma display panel which includes elements such as an insulating substrate, data electrodes, and partisan walls and not the rear substrate. Similar situations also appear in claim 15. For example, in claim 15, applicant claim that first substrate comprising scanning electrodes, common electrodes, and dielectric layer. These elements on top of the first substrate and therefore the first substrate can not comprise these elements.

In claim 1, line 5, "the substrate" lacks antecedent basis.

### **Claim Rejections - 35 USC § 102**

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of

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this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-10, 15-20 are rejected under 35 U.S.C. § 102(e) as being anticipated by Amemiya (US 6661170).

Regarding claims 1, 10, and 15, Amemiya discloses, in figures 2 and 5, a plasma display panel comprising a first substrate (transparent substrate 10), a scanning electrode (xa, ya) a common electrode (xb, yb), a dielectric layer (11), a second/rear/electrically insulating substrate (13), a plurality of data electrodes (D) spaced away from one another, a plurality of parallel extending partisan walls (35a), a phosphor layer (16), and a curved partisan wall (35b) by which partisan walls (at least one partisan wall and another partisan wall) are joined to each other in lengthwise direction.

Regarding claims 2 and 16, at least one partisan wall and another partisan wall of Amemiya are arranged adjacent to each other (see figure 5).

Regarding claims 3-5 and 17-18, in figure 5, the partisan walls of Amemiya include first, second, third, and fourth (or N partisan wall to be defined as positive integer) partisan walls where the first and third partisan walls are connected by a first curved partisan wall (between second and third partisan wall) and the second and fourth partisan walls are connected by a second curved partisan wall (between third and fourth partisan wall). The two curved partisan walls are intersecting each other.

As per claims 6-8 and 19-20, figure 5 of Amemiya also meets the conditions claimed in claimed 6-8 and 19-20 (note, even though one curved partisan wall continually connects partisan al walls in length direction, once section of curved partisan wall may be understood to connect any of partisan walls in length direction).

As per claim 9, the curved partisan wall of Amemiya is semi circular (see figure 5).

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### **Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vip Patel whose telephone number is (571) 272-2458. The examiner can normally be reached on Monday-Thursday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh D Patel can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



**VIP PATEL  
PRIMARY EXAMINER  
ART UNIT 2879**